



GB 4806.10-2025

National Food Safety Standard

Paints and Coatings in Food Contact Materials and Articles

食品安全国家标准 食品接触材料及制品用涂料及涂层

National Health Commission of the People's
Republic of China
State Administration for Market Regulation of the
People's Republic of China

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Foreword

This standard replaces *GB 4806.10-2016 National Food Safety Standard Paints and Coatings for Food Contact*, and the basic raw materials for paints and coatings in the Announcements (No. 14 of 2014, No. 5 of 2016, No. 7 of 2016, No. 13 of 2016, No. 9 of 2017) of the former National Health and Family Planning Commission and the Announcements (No. 3 of 2018, No. 9 of 2018, No. 11 of 2018, No. 15 of 2018, No. 2 of 2019, No. 4 of 2019, No. 6 of 2019, No. 4 of 2020, No. 6 of 2020, No. 9 of 2020, No. 2 of 2021, No. 6 of 2021, No. 9 of 2021, No. 1 of 2022, No. 2 of 2022, No. 5 of 2022, No. 1 of 2023, and No. 3 of 2023) of the National Health Commission.

Compared with the above standards and announcements, the major technical changes in this standard are as follows:

- Modified the standard name;
- Modified the scope;
- Modified terms and definitions;
- Modified basic requirements;
- Modified raw material requirements;
- Modified physicochemical indicators;
- Modified migration test requirements;
- Modified labeling;
- Modified Appendix A.

National Food Safety Standard

Paints and Coatings in Food Contact Materials and Articles

1 Scope

This standard applies to paints and coatings used in food contact materials and articles.

2 Terms and Definitions

2.1 Paints and coatings in food contact materials and articles

Paints intended to be coated on food contact materials and articles, which directly contact food or indirectly contact food, but their components may transfer into food, and the coatings (films) formed thereof.

3 Basic Requirements

3.1 Paints and coatings in food contact materials and articles shall comply with the provisions of GB 4806.1.

3.2 Manufacturers of paints for food contact materials and articles shall control the safety risks of paint products through formula design, raw material selection, production process control, and product information transmission.

3.3 Users of paints for food contact materials and articles shall control safety risks originating from paints through packaging design such as seams and edges, adding effective barrier layers, curing process control, and product information transmission. Under the condition of achieving the expected effect, the usage amount and residual amount of paints should be minimized as much as possible.

4 Technical Requirements

4.1 Raw Material Requirements

4.1.1 The use of basic raw materials in paints and coatings for food contact materials and articles shall comply with the provisions of Appendix A and relevant announcements.

4.1.2 The use of additives in paints and coatings for food contact materials and articles shall comply with the provisions of GB 9685 and relevant announcements.

4.2 Sensory Requirements for Coatings

The sensory requirements for coatings directly contacting food shall comply with the provisions of Table 1.



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